

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**PROPOSED AMENDMENT FOR DISCUSSION AT INTERVIEW- NOT FOR ENTRY**

APPLICANT: Oliv r Heid                      GROUP ART UNIT: 2862  
SERIAL NO.: 09/840,577                      EXAMINER: D. Vargas  
FILED: April 23, 2001                      CONFIRMATION NO.:3801  
TITLE: "ELECTRICAL COIL"

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

S I R:

At the interview scheduled for 9:00 a.m. on May 6, 2003, Applicants representative will propose amending the application as follows, and present arguments in support of patentability as summarized below.

**IN THE CLAIMS**

1. (Twice amended) An electrical coil suitable for use as a gradient coil for a magnetic resonance apparatus, comprising:

at least one electrical conductor configured in a coil pattern;

a carrier structure for said electrical conductor which fixes said coil pattern of  
said electrical conductor ~~or conductor~~ in a predetermined arrangement  
configuration;

a cooling device component; and

a heat insulator disposed between at least one section of said conductor and  
said carrier structure.

3. (Twice amended) An electrical coil as claimed in claim 1 wherein said at least one section of said electrical conductor is a first section and wherein said cooling device component cools at least one second section of said electrical conductor.

4. (Twice amended) An electrical coil as claimed in claim 3 wherein said at least one second section of said electrical conductor proceeds in an edge region of a spatial extent of said coil.

Cancel claims 14 and 15.